

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claims 1-24. (cancelled)

Claim 25 (currently amended). An actinic radiation curable composition comprising:

- (A) at least one actinic radiation curable cationically polymerisable compound;
- (B) at least one cationic photoinitiator; and
- (C) at least one stabilizer selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex, borane N-ethyl-N-isopropyl aniline complex, borane 4-methyl-morpholine complex, borane 4-ethylmorpholine complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine ~~which is a complex of a Lewis acid and a Lewis base, provided that the Lewis acid is not a fluorine containing boron compound and~~ wherein the stabilizer is present in the actinic radiation curable composition in an amount of between 0.001 weight % to 0.3 weight %.

Claims 26-31 (cancelled).

Claim 32 (previously presented). The actinic radiation curable composition of claim 25 wherein the stabilizer is selected from the group consisting of borane trimethylamine complex, borane tributylphosphine complex, borane ammoniac complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine.

Claim 33 (previously presented). The actinic radiation curable composition of claim 25 wherein the actinic radiation curable cationically polymerisable compound is an epoxy compound.

Claim 34 (previously presented). The actinic radiation curable composition of claim 33 wherein the epoxy compound is a cycloaliphatic diepoxide.

Claim 35 (previously presented). The actinic radiation curable composition of claim 34 wherein the cycloaliphatic diepoxide has a monomer purity of 90% or higher.

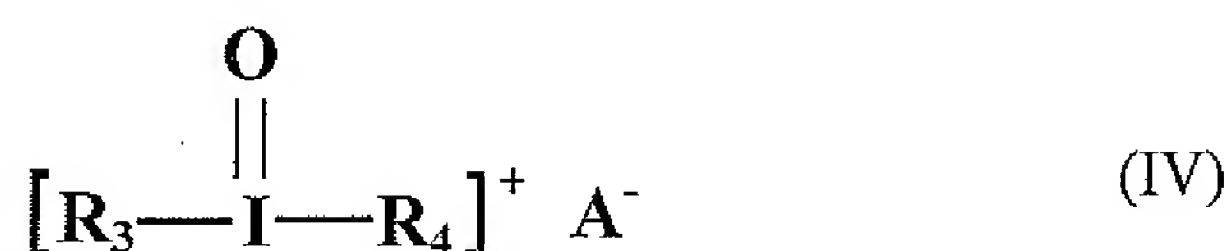
Claim 36 (previously presented). The actinic radiation curable composition of claim 25 wherein two or more actinic radiation curable cationically polymerisable compounds are

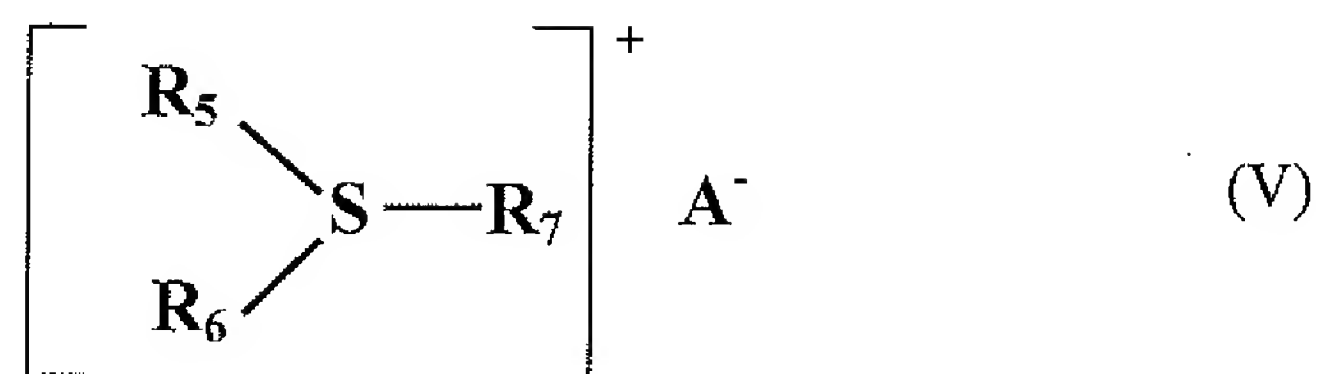
present.

Claim 37 (previously presented). The actinic radiation curable composition of claim 36 wherein the two or more actinic radiation curable cationically polymerisable compounds are cycloaliphatic diepoxides independently selected from the group consisting of bis (4-hydroxycyclohexyl) methane diglycidyl ether; 2,2-bis (4-hydroxycyclohexyl) propane diglycidyl ether; 3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate; 3,4-epoxy-6-methyl-cyclohexylmethyl-3,4-epoxy-6-methylcyclohexanecarboxylate; di-(3,4-epoxycyclohexylmethyl) hexanedioate; di-(3,4-epoxy-6-methyl-cyclohexylmethyl) hexanediotate; ethylenebis (3,4-epoxycyclohexanecarboxylate), ethanediol di-(3,4-epoxycyclohexylmethyl) ether and 2-(3,4-epoxycyclohexyl-5,5,3-dioxane).

Claim 38 (previously presented). The actinic radiation curable composition of claim 25 wherein the cationic photoinitiator is an onium salt with an anion of weak nucleophilicity.

Claim 39 (previously presented). The actinic radiation curable composition of claim 38 wherein the onium salt comprises an onium salt of formula (III), (IV) or (V):





wherein each of R₁, R₂, R₃, R₄, R₅, R₆ and R₇ are independently selected from a C₆–C₁₈ aryl which may be optionally substituted by appropriate radicals; A is CF₃ SO₃⁻ or an anion having the formula [LQ_m]⁻ where L is selected from the group consisting of boron, phosphorus, arsenic and antimony; Q is a halogen or hydroxyl group; and m is an integer corresponding to the valency of L enlarged by 1.

Claim 40 (previously presented). The actinic radiation curable composition of claim 39 wherein the onium salt is a compound having formula (V) and R₅, R₆ and R₇ are independently selected from the group of phenyl and biphenyl.

Claim 41 (previously presented). The actinic radiation curable composition of claim 25 wherein a mixture of two or more actinic radiation curable cationically polymerisable compounds are present.

Claim 42 (previously presented). The actinic radiation curable composition of claim 25 further comprising one or more free radically curable components and one or more free radical initiators.

Claim 43 (previously presented). The actinic radiation curable composition of claim 42 wherein the free radically curable component is a poly(meth)acrylate.

Claim 44 (previously presented). The actinic radiation curable composition of claim 25 further comprising a hydroxy terminated polyether having a molecular weight ranging between 250 to 4000 or a siloxane/polyethylene oxide copolymer.

Claim 45 (currently amended). An actinic radiation curable composition comprising:

(A) 40-80 weight % of at least one liquid epoxy resin having an epoxy functionality of 2 or greater;

(B) 0.1 -10 weight % of at least one cationic photoinitiator;

(C) 5-40 weight % of at least one liquid diacrylate;

(D) 0-15 weight % of at least one liquid poly(meth) acrylate having a (meth)acrylate functionality of greater than 2;

(E) 0.1 -15 weight % of at least one radical photoinitiator;

(F) 5-40 weight % of at least one OH-terminated polyether, OH-terminated polyester or OH-terminated polyurethane; and

(G) 0.001-0.3 weight % of at least one stabilizer ~~which is a complex of a Lewis acid and a Lewis base, provided that the Lewis acid is not a fluorine-containing boron compound~~ selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex,

borane N-ethyl-N-isopropyl aniline complex, borane 4-methyl-morpholine complex,
borane 4-ethylmorpholine complex, bis-(triethylborane) 1,6-diaminohexane complex,
trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-
dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane
pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine
complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine.

Claims 46-47 (cancelled).

Claim 48 (currently amended). A method of producing a cured product comprising treating an actinic radiation curable composition with actinic radiation wherein the actinic radiation curable composition comprises:

- (A) at least one actinic radiation curable cationically polymerisable compound;
- (B) at least one cationic photoinitiator for component; and
- (C) at least one stabilizer selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex, borane N-ethyl-N-isopropyl aniline complex, borane 4-methyl-morpholine complex, borane 4-ethylmorpholine complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine

complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine ~~which is a complex of a Lewis acid and a Lewis base, provided that the Lewis acid is not a fluorine-containing boron compound and~~ wherein the stabilizer is present in the actinic radiation curable composition in an amount of between 0.001 weight % to 0.3 weight %.

Claim 49 (currently amended). A method for stabilizing an actinic radiation curable composition comprising mixing at least one actinic radiation curable cationically polymerisable compound and at least one cationic photoinitiator with at least one stabilizer selected from the group consisting of borane ammoniac complex, borane triethylamine complex, borane tributylphosphine complex, borane trimethylamine complex, borane triphenylphosphine complex, borane tributylamine complex, borane N,N-diethylamine complex, borane N, N-diisopropyl ethylamine complex, borane dimethylamine complex, borane N-ethyl-N-isopropyl aniline complex, borane 4-methylmorpholine complex, borane 4-ethylmorpholine complex, bis-(triethylborane) 1,6-diaminohexane complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane N, N-dimethyloctylamine complex, trichloroborane triethylamine complex, trichloroborane pyridine complex, trichloroborane benzylamine complex, irontrichloride triethylamine complex, irontrichloride pyridine complex, and irontrichloride N, N-dimethyloctylamine ~~which is a complex of a Lewis acid and a Lewis base, provided that the Lewis acid is not a fluorine-containing boron compound and~~ wherein the stabilizer is present in the actinic radiation curable composition in an amount of between 0.001 weight % to 0.3 weight %.